

## U.S. General Services Administration (GSA)

### PRESIDENTIAL TRANSITION KEY ISSUES INFORMATION PAPER

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**SUBJECT:** *Data-to-Decisions (D2D)*

For more information see: [D2D Homepage](#)

#### 1. **BACKGROUND:**

GSA's Data to Decisions (D2D) is a data management program that includes a sophisticated governance structure that includes a Steering Committee with senior level participation that helps priority the Agency data vision and strategy. In addition, the program includes an executive working group that provides operational data management direction to the GSA data stewards and data analytic teams. The technology strategy includes tools capable of collecting, managing, and analyzing complex data to support data-driven decision-making. The vision was to develop an environment where sophisticated data scientist could work with large or complex data sets, as well as, where program analysts could access individual data sets and have software tools to assist with program specific reporting. This was built by the Enterprise Information and Data Management Division at the direction and oversight of the Chief Data Officer and Chief Technology Officer.

##### a. General Background:

- D2D launched in the fall of 2016 and now has over 1,000 GSA users that span across all GSA organization
- Developing a plan to review and reduce the number of legacy reporting and expand the capabilities of D2D
- D2D is a cloud based solution that leverages open source technology
- D2D enables data visualization and advanced data analytics to serve within inside and outside of GSA

##### b. Issues:

- Continued cultural acceptance that a centralized enterprise data management program and technology platform can meet the individual region and business specific needs, as well as, executive and cross functional reporting requirements
- Migration off of legacy data warehouse and reporting tools will take time and resources.

#### 2. **SCOPE AND EFFECT:**

##### a. Impact on GSA's Customers:

- Enables Office of Governmentwide Policy (OGP) to deliver Federal Real Property Profile tools and Administrative Benchmarking Initiative dashboards to the Federal Government Community
- Enables GSA's Federal Acquisition Service (FAS) to develop and share the following dashboards:
  - Multiple Award Schedule (MAS) Performance streamlines the process of purchasing products and services for the federal government

- Offer Cycle Time provides metrics on offers that are awarded, withdrawn, and rejected
- Army Mission And Installation Contracting Command (MICC) Strategic Spending is designed to help key decision makers in planning in contracting and developing new strategic contracting vehicles
- Enables GSA's Public Building Service (PBS) to manage the federal government new construction and leasing projects more efficiently
- GSA's Office of Human Resource Management (OHRM) now uses D2D as the primary reporting tool to business partners

b. Impact on the Private Sector and State & Local Governments:

- The Administrator has started to use D2D dashboards to lead discussions with state and local leaders on the work GSA is performing in their locations

3. **ACTION(S) PLANNED OR REQUIRED:**

In an effort to support GSA's Open Data Policy and Data as an Asset concept, the D2D platform has been implemented across various GSA internal and external customers. One critical mission is introducing a Virtualized Development Integration to engage and foster the D2D community.

Short-term & Long-term Plans

- Next 6 months: Start migration of the D2D tools to a more robust cloud solution (BSP) that is scaleable and more efficient. Continue to migrate legacy data warehouse and work with legacy reporting teams to transition to new tools.
- Next 12 months: Establish a VDE (virtual development environment) pilot that allows for central data development capabilities that will eventually support all GSA business lines and regional data analytic teams.

4. **KEY STAKEHOLDER INTEREST:**

Business decisions are increasingly dependent on external context data obtained from various "big data" sources, such as social activity streams, government data, data collected by different web sites, or event streams originating from different endpoints. The traditional practices of custom design and programming of data gathering for decision support and automation cannot handle the scale, speed and variety of Enterprise-wide and Web-scale information sources. D2D platform meets the needs by providing a single source for EIM, advanced analytics capabilities, simple data transformation and centralized web user portal to access applications.

5. **FISCAL YEAR 2017/2018 BUDGET IMPACT:**

The D2D program and the Federal Acquisition Service is working on a plan to consolidate the FAS government wide Analytics-as-a-Service (AaaS) program with D2D. AaaS is building a

scaleable program that will expand the D2D toolsets. By blending the marketing capabilities of D2D as the sample front end product, the AaaS program office could focus on implementing and delivery solutions for new Agency customers. The consolidated program plan is still under development, but combining the two programs may eliminate some redundancy in the technical platform development.